



SECTION A - A

NOTES:

1. WHEN MACHINING VACUUM PARTS, USE OF SILICONE AND SULPHUR-BASED CUTTING FLUIDS IS PROHIBITED. USE ONE OF THE FOLLOWING:
 - A) CIMCOOL 5 STAR 49
 - B) TRIM SOL
2. THIS IS A UHV PART, ELECTROPOLISHING IS NEEDED. PRIOR TO ELECTROPOLISHING, THE PART NEEDS TO GO THROUGH A MULTIPLE STEP CLEANING PROCESS INVOLVING DEGREASING, WASHING AND DRY NITROGEN BLOW DOWN.
3. KEEP THE PART CLEAN, AND WRAP FOR UHV PACKING WITH ALUMINUM FOIL.
4. DIMENSIONS IN [] ARE MILLIMETERS

1	.425 [10.80] WAS .44 [11.18] .450 [21.59] WAS .88 [22.35] 17" WAS 19"			
	R.425 [10.80] WAS R (1.24 [31.50] ADDED			
SYM	CHANGE DESCRIPTION	M.J.M.	CHKD	DATE
	REVISIONS			

ITEM		DWG PART NUMBER		NOMENCLATURE OR DESCRIPTION			MATERIAL / SPEC			QTY									
<div><div><div>UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES</div><div><div>TOLERANCES</div><table><tr><th>DECIMALS</th><th>ANGULAR</th></tr><tr><td>.XX - .03 [.7620]</td><td>- .25</td></tr><tr><td>.XXX - .01 [0.25]</td><td></td></tr><tr><td>.XXX - .005 [0.127]</td><td></td></tr></table><div><div>SURFACE ROUGHNESS</div><div>125</div></div><div>REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX.</div><div>SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1</div><div>DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5</div><div>DO NOT SCALE DRAWING</div></div><div><div>LOG NUMBER</div><div>A0950401</div><div><div>DRAWN BY</div><div>MUSCIA</div><div>CHECKED BY</div><div>D. SHU</div><div>DESIGNER</div><div>SHU/MUSCIA</div><div>RESPONSIBLE ENGINEER</div><div>D. SHU</div><div>MATERIAL</div><div>304 STAINLESS STEEL</div></div><div><div>PARTS LIST</div><div><div><div><div><div></div><div>ARGONNE NATIONAL LABORATORY</div><div>U.S. DEPARTMENT OF ENERGY</div></div></div><div>THIS DRAWING IS THE PROPERTY OF</div><div>ARGONNE NATIONAL LABORATORY</div></div><div><div>DATE</div><div>3/5/93</div><div>CHIEF DESIGN ENGINEER</div><div>D. SHU</div><div>GP LEADER</div><div>T.M. KUZAY</div><div>PROJECT MGR.</div><div>APPROVED/RELEASED</div></div></div><div><div>TITLE</div><div>ADVANCED PHOTON SOURCE</div><div>P1 1- ST PHOTON SHUTTER</div><div>SLOW ACTUATOR</div><div>BELLOWS CLEVIS</div></div><div><div>SCALE</div><div>1:1</div><div>SHEET</div><div>1 of 1</div><div>SIZE</div><div>C</div><div>DRAWING NUMBER</div><div>P4102010103-220203-01</div></div></div></div></div></div>												DECIMALS	ANGULAR	.XX - .03 [.7620]	- .25	.XXX - .01 [0.25]		.XXX - .005 [0.127]	
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